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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/020,991      | 12/19/2001  | Sean X. Pan          | D/A0438Q1           | 8912             |

7590 10/29/2004

Xerox Corporation  
Patent Documentation Center  
Xerox Square 20th Floor  
100 Clinton Ave. S.  
Rochester, NY 14644

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| EXAMINER |
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NOLAN, SANDRA M

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| ART UNIT | PAPER NUMBER |
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1772

DATE MAILED: 10/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/020,991

Applicant(s)

PAN ET AL.

Examiner

Sandra M. Nolan

Art Unit

1772

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 18 August 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-20 is/are allowed.
- 6) ☒ Claim(s) 1-3 and 7-10 is/are rejected.
- 7) ☒ Claim(s) 4-6 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claims***

1. Claims 1-20 are pending.

### ***Rejections Withdrawn***

2. The 35 USC 103 rejection of claims 4-6 and 11-20 is withdrawn in view of the amendments and arguments presented in the response dated 18 August 2004.
3. The 35 USC 102 rejection of claims 1, 2, 9-14, 17 and 20 is withdrawn in view of the arguments presented in the response dated 18 August 2004.

### ***Rejections Maintained***

4. The 35 USC 103 rejection of claims 1-3 and 7-10 as unpatentable over the CH-672564A abstract in view of Herbert (US 5,683,742) is maintained for reasons of record.

### ***Allowable Subject Matter***

5. Claims 11-20 are allowed.
6. Claims 4-6 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
7. The prior art of record fails to teach or suggest an apparatus having a dip-coated layer over substrates that have the shapes and uncoated region recited in claims 4-6 and 11-12.
8. The prior art of record fails to teach or suggest a method of coating that involves the dip-coating of substrates having the features recited in claims 13-20.

***Response to Arguments***

9. Applicant's arguments filed in the 19 August 2004 response have been fully considered but they are not persuasive.

The arguments presented in the response will be responded to in the order in which they were presented.

On page 5, applicants argue that the Swiss abstract is deficient because it fails to teach that the bush areas are part of the deposition region.

However, that is not a distinction over the application claims because they do not require that the ends be coated. Although the amendment says that one raised portion is coated, it does not say that they both are.

On page 5, applicants argue that the Swiss abstract does not teach coating the bush region along with the center portion.

However, while the claims specify that several regions of the apparatus are coated, they do not say that they are coated at the same time. Applicants are arguing a limitation that is not claimed.

The examiner notes that the Swiss abstract states, in the penultimate paragraph of the abstract, that its insulator 2 has a center cylindrical section (20) flanked by two conical sections (21, 22).

On pages 5-6, applicants argue that Herbert fails to remedy the deficiencies of the Swiss abstract.

However, Herbert teaches, at col.1, lines 20-31, that the ends of coated photo-receptors, bearing charge transport coatings (col. 9, line 46 through col. 10, line 67),

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should not be coated because the coatings on the ends can contaminate various parts of the machine in which the photoreceptors are used. The Herbert patent deals with a method for assuring that the ends are not coated by pretreating them with a nonwetting material. It is deemed a matter of design/engineering choice to treat only one end of a photoreceptor.

***Citation as of Interest***

10. JP 06059465A is cited as showing dip coated photoreceptor drums in which raised ends are attached after the drum is coated.

***Final Rejection***

11. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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***Conclusion***

Any inquiry concerning this communication should be addressed to Sandra M. Nolan, at telephone number 571/272-1495. She can normally be reached Monday through Thursday, from 6:30 am to 4:00 pm, Eastern Time.

If attempts to reach the examiner are unsuccessful, her supervisor, Harold Pyon, can be reached at 571/272-1498.

The fax number for patent application documents is 703/872-9306.



S. M. Nolan  
Primary Examiner  
Technology Center 1700

10020991(20041022)